

Climate Monitoring and Diagnostics Laboratory
Peer-Reviewed Publications - 2003
(CMDL authors in CAPS)

- 1) Anderson, T. L., R. J. Charlson, D. M., Winker, J. A. OGREN, K. Holmén (2003), Mesoscale variations of tropospheric aerosols, *J. Atmos. Sci.*, 60, 119-136.
- 2) Antuña, J. C., A. Robock, G. Stenchikov, J. Zhou, C. David, J. Barnes, and L. Thomason (2003), Spatial and temporal variability of the stratospheric aerosol cloud produced by the 1991 Mount Pinatubo eruption, *J. Geophys. Res.*, 108(D20), 4624, doi:10.1029/2003JD003722.
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- 5) Barnes, D. H., S. C. Wofsy, B. P. Fehlau, E. W. Gottlieb, J. W. ELKINS, G. S. DUTTON, and S. A. MONTZKA (2003), Urban/industrial pollution for the New York City -Washington, D. C., corridor, 1996-1998: 2. A study of the efficacy of the Montreal Protocol and other regulatory measures, *J. Geophys. Res.*, 108(D60), 4186, doi:10.1029/2001JD001117.
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- 9) Chan, C. Y., L. Y. Chan, J. M. HARRIS, S. J. OLTMANS, D. R. Blake, Y. Qin, Y. G. Zheng, and X. D. Zheng (2003), Characteristics of biomass burning emission sources,

transport, and chemical speciation in enhanced springtime tropospheric ozone profile over Hong Kong, *J. Geophys. Res.*, 108(D1), 4015, doi:10.1029/2001JD001555.

- 10) Chuang, P. Y., R. M. Duvall, M. S. Bae, A. JEFFERSON, J. J. Schauer, H. Yang, J. Z. Yu, J. KIM (2003), Observations of elemental carbon and absorption during ACE-Asia and implications for aerosol radiative properties and climate forcing, *J. Geophys. Res.*, 108(D23), 8634, doi:10.1029/2002JD003254.
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- 12) Díaz S., D. Nelson, G. Defarrari, and C. Camilión, A model to extend spectral and multiwavelength UV irradiances time series: Model development and validation, *J. Geophys. Res.*, 108 (D4), 4150, doi:10.1029/2002JD002134, 2003.
- 13) DLUGOKENCKY, E. J., Houweling S, BRUHWILER, L, MASARIE, KA, LANG, PM, MILLER, JB, TANS, PP (2003), Atmospheric methane levels off: Temporary pause or a new steady-state? *Geophys. Res. Lett.*, 30(19), 10.1029/2003GL018126.
- 14) Fetzer, E., L. McMillin, D. Tobin, H. Aumann, M. Gunson, W. W. McMillan, D. Hagan, M. Hofstadter, J. Yoe, D. Whiteman, J. Barnes, R. Bennartz, H. VÖMEL, V. Walden, M. Newchurch, P. Minnett, R. Atlas, F. Schmidlin, E. Olsen, M. Goldberg, S. Zhou, H. Ding, H. Revercomb (2003), AIRS/AMSU/HSB Validation, *IEEE Trans. Geosci. Remote Sens.*, 41, 418-431.
- 15) FERGUSON, E. E. (2003), The reaction of HC1+ + CF4>HCF4+ + Cl: Implications for the heat of formation of CF3+, *J. Chem.Phys.* 1185, 2130-2134.
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- 17) HARRIS, J. M., S. J. OLTMANS, G. E. Bodeker, R. Stolarski, R. D. EVANS, and D.M. QUINCY (2003), Long-term variations in total ozone derived from Dobson and satellite data, *Atmos. Environ.*, 37, 3167-3175.
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- 20) HOFMANN, D., J. BARNES, E. DUTTON, T. Deshler, H. Jäger, R. Keen, and M. Osborn (2003), Surface-based observations of volcanic emissions to the stratosphere, *Volcanism and the Earth's Atmosphere*, edited by A. Robock and C. Oppenheimer, pp. 57-73, AGU, Washington, D. C.
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- 25) Law, R. M., Y. H. Chen, K. R. Gurney, D. Baker, P. Bousquet, L. BRUHWILER, P. Ciais, A. S. Denning, S. Fan, I. Y. Fung, M. Gloor, M. Heimann, K. Higuchi, J. John, E. Kowalczyk, T. Maki, S. Maksyutov, P. Peylin, M. Prather, B. C. Pak, P.J. Rayner, J. Sarmiento, S. Taguchi, T. Takahashi, C.W. Yuen (2003), TransCom 3 CO₂ inversion intercomparison 2: Sensitivity of annual mean results to data choices, *Tellus, Ser. B*, 55, 580-595.
- 26) Logan, J. A., D. B. A. Jones, I. A. Megretskiaia, S. J. OLTMANS, B.J. JOHNSON, H. VÖMEL, W.J. Randel, W. Kimani, and F.J. Schmidlin (2003), The quasibiennial oscillation in tropical ozone as revealed by ozonesonde and satellite data, *J. Geophys. Res.*, 108(D8), 4244, doi:10.1029/2002JD002170.
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